420 NEUSE RIVER BASIN

## 0209173150 UNNAMED TRIBUTARY TO SANDY RUN AT SECONDARY ROAD 1335 NEAR LIZZIE, NC

LOCATION.--Lat 35°31'03", long 77°33'52", Greene County, Hydrologic Unit 03020203, at Secondary Road 1335, approximately 6.0 mi south of Farmville.

DRAINAGE AREA.--0.34  $\mathrm{mi}^2$ 

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources as part of a long-term project to develop a multimedia integrated modeling system (MIMS).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 30	1105	.0	778	3.1	27	5.5	221	9.9	34.0	11.0	20.0	.06	E.30
NOV 19	1335	<.002	769	1.9	17	5.8	221	11.5	32.2	13.4	38.2	E.02	.18
DEC 19	1250	<.50	764	2.7	24	5.8	198	10.1	34.6	10.9	22.7	.09	.40
JAN 22	1300	E1.5	777	6.5	55	4.8	227	9.5	30.8	7.2	17.5	E.03	.67
FEB 21 MAR	1250	.11	763	5.4	50	4.8	212	11.6	30.3	7.7	18.0	<.04	.38
25 APR	1505	<.10	768	6.8	64	4.9	176	12.9	28.2	6.4	15.0	<.04	.40
09 MAY	1040	<.20	774	5.8	58	4.5	191	15.4	21.6	6.6	12.0	.06	.62
09 JUN	1135	<.05	767	2.1	24	5.8	257	21.8	35.8	10.5	26.6	.08	.35
27 JUL	1440	.0	765	4.7	57	6.1	154	25.3	39.8	13.4	46.9	<.04	.19
24 AUG	1435	.0	767	.6	7	5.8	224	24.3	45.5	11.1	48.1	.06	.27
21 SEP	1240	.0	767	2.0	25	6.5	154	26.5	46.1	7.3	39.0	.24	.61
18	1015	.0	765	.7	8	6.2	331	22.1	39.2	9.9	30.8	.43	.86
Date	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
Date OCT 30	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	GEN DIS- SOLVED (MG/L AS N)	GEN, NITRATE DIS- SOLVED (MG/L AS N)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	GEN, NITRITE DIS- SOLVED (MG/L AS NO2)	GEN, NITRITE DIS- SOLVED (MG/L AS N)	GEN, ORGANIC DIS- SOLVED (MG/L AS N)	GEN, ORGANIC TOTAL (MG/L AS N)	GEN, TOTAL (MG/L AS N)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	PHORUS DIS- SOLVED (MG/L AS P)
OCT	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV 19 DEC 19 JAN 22	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E.40 .70	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) E3.90	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E.40 .70	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) E3.90	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856) .066	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .020 E.007	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02
OCT 30 19 DEC 19 JAN 22 FEB 21 MAR 25	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E. 40 . 70 . 59 . 72	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) .0811	GEN DIS- SOLVED (MG/L AS N) (00602)25 1.3 8.6	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) E3.90 .07 .88 7.92	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856) .066062	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)  .020 E.007 .019 <.040	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)  .77 1.5	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .009
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25 APR 09	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E.40 .70 .59 .72	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)  .0811	GEN DIS- SOLVED (MG/L AS N) (00602)  .25 1.3 8.6 5.2	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851) 3.82	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)  E3.90 .07 .88 7.92 4.86	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)  .066062	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)  .020 E.007 .019 <.040 <.008	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)  .77 1.5 8.6 5.3	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .009 .024 .018
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25 APR 09	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E. 40 . 70 . 59 . 72 . 48 . 51	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)  .0811	GEN DIS- SOLVED (MG/L AS N) (00602)25 1.3 8.6 5.2 4.5	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851) 3.82	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)  E3.90 .07 .88 7.92 4.86 4.07	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856) .066062	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)  .020 E.007 .019 <.040 <.008	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)  .77 1.5 8.6 5.3 4.6	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .009 .024 .018
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25 APR 09 MAY 09 JUN 27	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E.40 .70 .59 .72 .48 .51 .74	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)  .081107	GEN DIS- SOLVED (MG/L AS N) (00602)25 1.3 8.6 5.2 4.5	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 86	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)  3.82	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)  E3.90 .07 .88 7.92 4.86 4.07 3.57	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)  .066062	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)  .020 E.007 .019 <.040 <.008 <.008 E.004	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)  .77 1.5 8.6 5.3 4.6 4.3	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .009 .024 .018 .012
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25 APR 09 MAY 09 JUN 27 JUL 24	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E.40 .70 .59 .72 .48 .51 .74	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)  .081107	GEN DIS- SOLVED (MG/L AS N) (00602) 25 1.3 8.6 5.2 4.5 4.2 1.7	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 8696	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)  3.82	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)  E3.90 .07 .88 7.92 4.86 4.07 3.57 1.36	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)  .066062	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)  .020 E.007 .019 <.040 <.008 <.008 E.004 E.007	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 5168 .52	GEN, TOTAL (MG/L AS N) (00600)  .77 1.5 8.6 5.3 4.6 4.3 2.0	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)  <.02 .009 .024 .018 .012 .018 .023
OCT	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  E.40 .70 .59 .72 .48 .51 .74 .60 .83	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)  .081107 .10	GEN DIS- SOLVED (MG/L AS N) (00602) 25 1.3 8.6 5.2 4.5 4.2 1.7	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 8696	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)  3.82	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)  E3.90 .07 .88 7.92 4.86 4.07 3.57 1.36 <.05	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)  .066062	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)  .020 E.007 .019 <.040 <.008 <.008 E.004 E.007 <.008	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)   .31   .56	GEN, ORGANIC TOTAL (MG/L AS N) (00605)  .51  .68 .52	GEN, TOTAL (MG/L AS N) (00600) 77  1.5 8.6 5.3 4.6 4.3 2.0	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660) .031      383	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .009 .024 .018 .012 .018 .023 .146

## 421 NEUSE RIVER BASIN

## 0209173150 UNNAMED TRIBUTARY TO SANDY RUN AT SECONDARY ROAD 1335 NEAR LIZZIE, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	DIS- SOLVED (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	DIS- SOLVED (UG/L AS FE)
OCT	0.1	T 10	600
30 NOV	.01	E.19	689
19 DEC	<.02	.41	160
19	E.01	.23	517
JAN 22	E.01	.035	160
FEB 21 MAR	<.02	.027	156
25 APR	E.01	.040	254
09 MAY	E.01	.056	530
09 JUN	.12	.176	1580
27 JUL	.34	.78	1480
24 AUG	<.02	.34	67
21 SEP	.03	.56	882
18	.02	.45	384

Remark codes used in this report:
<-- Less than
E -- Estimated value